INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

	Atty. Docket No. 06053.0001			Serial No.	- 08/590,	840	09/185,703			
	Applicant	Frederick R. GUY et al.				- -				
	Filing Date	J anuary 24, 18 96 11/4/98		Group	-2417 330 × 37/3					
	U.S. PATENT DOCUMENTS									
	Ekaminer Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate			
		4,793,813	12/27/88	Bitzer et al.	-434	335	27. 70			
		4,837,800	6/6/89	Freeburg et al.	-379	59				
	10/	4,415,774	11/15/83	Driver	179	- 2	2 - 1 V			
							ED 97			
	FOREIGN PATENT DOCUMENTS									
		Document Number	Date	Country	Class	Sub Class	Translation Yes or No			
	i st	WO 95/28804	10/26/95	PCT						
	/20	0 142 302	5/22/85	European						
И		0 366 250	5/2/90	European						
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		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		, in the second second			-					
	14-38									
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		Ú. S	S. PATENT	DOCUMENTS					
Examir	ner Initial*	Document Number	Date	Name	દ Class	Sub Class	Filing Date If Appropriate		
H	X	5,176,520	1/5/93	Hamilton	434	350			
		5,295,836	3/22/94	Ryu et al.	434	335	•		
	2	5,310,349	5/10/94	Daniels et al.	-434	350			
		5,025,314	6/18/91	Tang et al.	358	93			
1/2		5,267,865	12/7/93	Lee et al.	-434	350			
1/2		4,785,472	11/15/88	Shapiro	379	98			
UK		5,318,450	6/7/94	Carver	434	-336-			
1/1		5,303,042	4/12/94	Lewis et al.	348	14	·		
gh v		4,715,818	12/29/87	Shapiro et al.	:434	118			
	FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Sub Class	Translation Yes or No		
	OTHER	R DOCUMENTS (In	cluding Auth	or, Title, Date, Pertiner	nt Pages, I	Etc.)			
1 1	P	En Technology Corporate Backgrounder, pages 1-3, June 2, 1995							
1	<i> </i> -	"Linking Home Computer and TV," Malachi Lets TV Viewers Order Products, Data via Home Computer, Date Unknown. Pg. 1-3 1991							
M		En Technology Publication, Malachi Fact Sheet, pages 1-2, Oct. 12, 1995							
1		McGarvey, "Tele 2, No. 11, June 1	Felevision: Data Delivery Switches Channels," Inter@ctive Week, Vol. ne 19, 1995.						
A	Herbert, "PC Connection founders wed PC with TV," New Hampshire Business Review, Vol. 17, No. 14, July 7-20, 1995, pages 1-2. En Technology's "TV Enhancement System," Communications Daily, Vol. 15, No. 121, Friday, June 23, 1995.								
	Bulkeley, "En Technology & Device Would Rapidly Transmit Large Link," The Wall Sheet Journal, Thursday, June 15, 1995.						File to PC-TV		
	-	Carlile, "Tempe f Saturday, May		m up to send data via	TV," The A	Arizona R	epublic,		

•							
/1		Magruder, "Skyway system' rides with TV signals to distribute data," Arizona Business Gazette, July 13, 1995.					
,		Press Release, "Wavephore Develops Datacasting System for Television Azteca in Mexico," August 8, 1995.					
		Press Release, "Wavephore and Arizona State University Launch Distance Learning Service," August 17, 1995.					
		Press Release, "Wavephore and GEC Plessey Semiconductors Enter into Alliance for Multimedia Chipset Development," October 5, 1995.					
	2	Press Release, "Intel and Waveform Sign Technology and Investment Agreement," May 5, 1995.					
		Press Release, "FCC Proposed to Allow Digital Data Transmission Within the Video Portion of TV Broadcasts, in Response to WavePhore's Request," 4/25/95.					
		Deagon, "Technology Offers TV Broadcasters an Avenue into Interactive Services," Investor's Business Daily, Monday, April 19, 1993.					
		Press Release, "Wavephore and Belcom Sign Agreement to Co-Develop Russian Data Broadcasting System," 9/10/95.					
		ਸਮਾਹਿਤ ਸਿਹਤ ਸੰਗਤ ਸੰਗਤ ਸੰਗਤ ਸੰਗਤ ਸੰਗਤ ਸੰਗਤ ਸੰਗਤ ਸੰਗ					
N	1 de la companya della companya dell	Bเจอสุนกร Advertisement for TVT1/4 Video Broadcast Modem, 1994, five pages.					
	Examiner 1	Date Considered 4/3/23 4/3/23					
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100	U.S. PATENT DOCUMENTS									
*		DOCUMENT NO.	DATE		NAME	- 0.191. Capalana	CLASS	SUB-CLAS		ING DATE
26	A	4,780,757	10/25/88		Bryer et al		-348	7		
1	В	5,002,491	3/26/91	Abı	rahamson et al	_434	350x			
	С	5,192,999	3/9/93	G	Graczyk et al	379	88x	_		
	D	5,200,822	4/6/93	F	Bronfin et al	ronfin et al348				
	Ε	5,283,638	2/1/94	Е	ingberg et al	-	379	93.17x		
	F	5,375,160	12/20/94	(Guidon et al		-379	52-		
	G	5,387,104	2/7/95		Corder		434	350x		
	Н	5,385,475	1/31/95	. S	udman et al	-	434	-350x		
J	-	5,458,494	10/17/95		Krohn et al		434	350x		
d	J	5,590,360	12/31/96		Edwards		434	350x	()/19/92-
	K									
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